AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1	1. (Currently Amended) An automated method of preventing an			
2	endnode in a communication fabric from receiving an unauthorized			
3	communication, comprising:			
4	establishing a first category of management communications to include:			
5	a request from a manager node to an endnode; and			
6	a reply from the manager node to a request from an endnode;			
7	establishing a second category of management communications to			
8	include:			
9	a reply from an endnode to a request from the manager node; and			
10	a request from an endnode to the manager node; and			
11	at a switching device coupled to a first endnode:			
12	receiving from the communication fabric a management			
13	communication packet addressed to the first endnode;			
14	determining whether the first endnode is a trusted endnode;			
15	determining whether the management communication is a first			
16	category management communication based on whether the management			
17	communication is originated from a manager node and whether the			
18	management communication is a request or a reply; and			
19	responsive to the first endnode not being a trusted endnode and the			
20	management communication not being a first category management			
21	communication, discarding the management communication.			

2. (Original) The method of claim 1, further comprising:
classifying each endnode in the communication fabric as either trusted or
untrusted.
3. (Original) The method of claim 2, wherein said classifying
comprises:
associating with each port of the switching device an indicator configured
to indicate whether a node coupled to the port is trusted.
4. (Original) The method of claim 2, wherein said classifying
comprises:
classifying the first endnode as a trusted endnode if the first endnode is a
manager node.
5. (Original) The method of claim 2, wherein said classifying
comprises:
classifying the first endnode as an untrusted endnode if the first endnode is
not configured to act as a manager node.
6. (Original) The method of claim 1, wherein said determining
comprises:
reading an indicator associated with a port of the switch to which the first
endnode is coupled;
wherein said indicator is configured to indicate whether the first endnode
is trusted.

(Previously Presented) The method of claim 1, further comprising,

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at the switching device:

3	responsive to the first endnode being a trusted endnode, forwarding the				
4	management communication to the first endnode regardless of the category of th				
5	management communication.				
1	8. (Previously Presented) The method of claim 1, further comprising,				
2	at the switching device:				
3	receiving a second management communication from the first endnode;				
4	and				
5	responsive to the management communication not being a second				
6	category management communication, discarding the second management				
7	communication.				
1	9. (Original) The method of claim 1, wherein the communication				

- (Original) The method of claim 1, wherein the communication fabric comprises a subnet of an InfiniBand communication fabric.
- 1 10. (Original) The method of claim 9, wherein a management 2 communication comprises a communication transmitted on virtual lane 15 of the 3 InfiniBand communication fabric.
- 1 11. (Currently Amended) A computer readable medium storing
 instructions that, when executed by a computer, cause the computer to perform a
 method of preventing an endnode in a communication fabric from receiving an
 unauthorized communication, comprising:
 establishing a first category of management communications to include:
 a request from a manager node to an endnode; and
 a reply from the manager node to a request from an endnode;
- 8 establishing a second category of management communications to

0	a reply from an endnode to a request from the manager node; and			
1	a request from an endnode to the manager node; and			
2	at a switching device coupled to a first endnode:			
3	receiving from the communication fabric a management communication			
4	addressed to the first endnode;			
5	determining whether the first endnode is a trusted endnode;			
6	determining whether the management communication is a first			
7	category management communication-based on whether the management			
8	communication is originated from a manager node and whether the			
9	management communication is a request or a reply; and			
0	responsive to the first endnode not being a trusted endnode and the			
1	management communication not being a first category management			
2	communication, discarding the management communication .			
1	12. (Currently Amended) An automated method of preventing an			
2	endnode in a communication fabric from sending an unauthorized			
3	communication, comprising:			
4	establishing a first category of management communications to include:			
5	a request from a manager node to an endnode; and			
6	a reply from the manager node to a request from an endnode;			
7	establishing a second category of management communications to			
8	include:			
9	a reply from an endnode to a request from the manager node; and			
0	a request from an endnode to the manager node; and			
1	at a switching device coupled to a first endnode:			
2	receiving from a first endnode a management communication addressed to			
3	a second endnode in the communication fabric;			
4	determining whether the first endnode is a trusted endnode;			

15	determining whether the management communication is a second				
16	category management communication-based on whether the management				
17	communication is destined for a manager node and whether the				
18	management communication is a request or a reply; and				
19	responsive to the first endnode not being a trusted endnode and the				
20	management communication not being a second category management				
21	communication, discarding the management communication.				
1	13. (Original) The method of claim 12, further comprising:				
2	classifying each endnode in the communication fabric as either trusted or				
3	untrusted.				
1	14. (Original) The method of claim 12, wherein said classifying				
2	comprises:				
3	associating with each port of the switching device an indicator configured				
4	to indicate whether a node coupled to the port is trusted.				
1	15. (Previously Presented) The method of claim 12, wherein said				
2	classifying comprises:				
3	responsive to the first endnode being a manager node, classifying the first				
4	endnode as a trusted endnode.				
1	16. (Previously Presented) The method of claim 12, wherein said				
2	classifying comprises:				
3	responsive to the first endnode not being configured to act as a manager				
4	node, classifying the first endnode as an untrusted endnode.				
1	(Original) The method of claim 12, wherein said determining				

2	comprises:			
3	reading an indicator associated with a port of the switch to which the first			
4	endnode is coupled;			
5	wherein said indicator is configured to indicate whether the first endnode			
6	is trusted.			
1	18. (Previously Presented) The method of claim 12, further			
2	comprising, at the switching device:			
3	responsive to the first endnode being a trusted endnode, forwarding the			
4	management communication toward the second endnode regardless of the			
5	category of the management communication.			
1	19. (Previously Presented) The method of claim 12, further			
2	comprising, at the switching device:			
3	receiving a second management communication addressed to the first			
4	endnode; and			
5	responsive to the management communication not being a first category			
6	$management\ communication,\ discarding\ the\ second\ management\ communication.$			
1	20. (Original) The method of claim 12, wherein the communication			

1 21. (Original) The method of claim 20, wherein a management 2 communication comprises a communication transmitted on virtual lane 15 of the 3 InfiniBand communication fabric.

fabric comprises a subnet of an InfiniBand communication fabric.

- 1 22. (Currently Amended) A computer readable medium storing
- 2 instructions that, when executed by a computer, cause the computer to perform a

3	method of preventing an endnode in a communication fabric from sending an		
4	unauthorized communication, comprising:		
5	establishing a first category of management communications to include:		
6	a request from a manager node to an endnode; and		
7	a reply from the manager node to a request from an endnode;		
8	establishing a second category of management communications to		
9	include:		
10	a reply from an endnode to a request from the manager node; and		
11	a request from an endnode to the manager node; and		
12	at a switching device coupled to a first endnode:		
13	receiving from a first endnode a management communication addressed to		
14	a second endnode in the communication fabric;		
15	determining whether the first endnode is a trusted endnode;		
16	determining whether the management communication is a second		
17	category management communication-based on whether the management		
18	communication is destined for a manager node and whether the		
19	management communication is a request or a reply; and		
20	responsive to the first endnode not being a trusted endnode,		
21	discarding the management communication if the management		
22	communication is not a second category management communication.		
1	23. (Currently Amended) An apparatus for preventing a node in a		
2	communication fabric from engaging in unauthorized communication, the		
3	apparatus comprising:		
4	a switching device configured to route management communications		
5	through the communication fabric, wherein:		
6	a type one management communications comprise communication		
7	comprises requests from a manager node to endnodes and replies from the		

manager	node to	requests	from	endnodes:	and

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a type two management eommunication comprises communication comprises replies from endnodes to requests from the manager node and requests from endnodes to the manager node:

wherein a management communication is categorized to be a type one or a type two management communication based on whether the management communication is originated from or destined for a manager node and whether the management communication is a request or a reply; for each port of the switching device, an indicator configured to indicate whether an endnode counled to the nort is trusted:

wherein a first management communication addressed to a first endnode coupled to a first port of the switching device is discarded responsive to the first endnode not being a trusted endnode and the first management communication not being a type one management communication; and

wherein a second management communication received from the first endnode is discarded responsive to the first endnode not being a trusted endnode and the second management communication not being a type two management communication.

- (Original) The apparatus of claim 23, further comprising:
 a secure channel configured to allow a management node to configure said
 indicators
- (Original) The apparatus of claim 23, wherein: for each port coupled to another switching element, said indicator is set to indicate the other switching element is trusted.
 - (Original) The apparatus of claim 23, wherein:

2	for each port coupled to a management node, said indicator is set to				
3	indicate the management node is trusted.				
1	27. (Original) The apparatus of claim 23, wherein:				
2	for each port coupled to an endnode that is not configured to act as a				
3	management node, said indicator is set to indicate the endnode is not trusted.				
1	28. (Original) The apparatus of claim 23, wherein:				
2	the communication fabric comprises an InfiniBand communication fabric				
3	and				
4	a management communication comprises a communication transmitted				
5	over virtual lane 15 of the InfiniBand communication fabric.				
1	29. (Previously Presented) A computer readable medium residing in a				
2	communication switch and containing a data structure configured for indicating				
3	trust, the data structure comprising:				
4	for each port of the communication switch, an indicator configured to				
5	indicate whether a communication node coupled to the port is trusted;				
6	wherein a port indicator is set to a first state responsive to the coupled				
7	communication node being a trusted node and is set to a second state responsive				
8	to the coupled communication node not being a trusted node; and				
9	wherein management communications addressed to the coupled				
10	communication node are filtered based on whether the management				
11	communication is originated from or destined to a manager node and whether the				
12	management communication is a request or a reply if the port indicator is set to				
13	said second state.				